CMS Simulation (LHE) 13 TeV 0.045 Fraction of events / 1 GeV $pp \rightarrow h \rightarrow 2n_{_{1}} \rightarrow 2n_{_{D}} + 2~\gamma_{_{D}} \rightarrow 2n_{_{D}} + 4\mu$ $m_h = 125 \text{ GeV}, m_{n_1} = 10 \text{ GeV}, m_{n_2} = 1 \text{ GeV}$ 0.04 $m_{\gamma_{D}} = 0.300 \text{ GeV}, c\tau_{\gamma_{D}} = 0.00 \text{ mm}$ 0.035 1st n_D (leading p₊) $-2nd n_D$ 0.03 0.025 0.02 0.015 0.01 0.005 20 40 60 80 100 120 of n [GeV]